

Tennessee Department of Environment and Conservation Division of Water Pollution Control Enforcement and Compliance Section L&C Annex, 6th Floor, 401 Church Street

Nashville, TN 37243 (615) 532-0625

Small Municipal Separate Storm Sewer System (MS4) Annual Report

MS4 Information City of Kingsport Name of MS4 Daniel Wankel Name of Contact Person (423) 224-2727 Telephone (including area code) 1644 Fort Henry Drive Mailing Address Kingsport TN37664 City State ZIP code What is the current population of your MS4? 50,500 From 7/1/12 What is the reporting period for this annual report? to 6/30/13 2. PROTECTION OF STATE OR FEDERALLY LISTED SPECIES A. Do any of the MS4 discharges or discharge-related activities likely to jeopardize □ Yes ⊠ No any state or federally listed species (Part 3, Special Conditions, General Permit for Phase II MS4s) B. Please attach the determination of the effect of the MS4 discharges on state or federally listed species per sub-part 3.2.1 3. WATER QUALITY PRIORITIES A. Does your MS4 discharge to waters listed as impaired on your state 303(d) list? ⊠ Yes П No B. If yes, identify each impaired water, the impairment(s), whether a TMDL has been approved by EPA for each, and whether the TMDL identifies your MS4 as a source of the impairment. Impaired Water Impairment Approved TMDL MS4 Assigned to WLA Madd Branch Physical Substrate Habitat ⊠ Yes □ No ⊠ Yes ☐ No Alterations. Eschericia coli Other Anthropogenic Habitat Tranbarger Branch ⊠ Yes \square No ⊠ Yes \square No Alterations. Eschericia coli Loss of Biological Integrity due Reedy Creek ⊠ Yes \square No ⊠ Yes \square No to Siltation. Other Anthropogenic Habitat Alterations. Eschericia coli. See Attachment for Remaining **Impaired Waters**

Impaired Water	Impairment	Approved TMDL	MS4 Assigned to WLA
	Alteration in stream-side		
	vegetative cover. Loss of		
	biological integrity due to		
Little Horse Creek	siltation. Eschericia coli.	No	Yes
	Alteration is stream-side		
Horse Creek	vegetative cover.	No	Yes
	Alteration in stream-side		
Unnamed Tributary	vegetative cover. Loss of		
to South Fork	biological integrity due to		
Holston River	siltation. Eschericia coli.	Yes	No
	Alteration in stream-side		
	vegetative cover. Loss of		
	biological integrity due to		
Fall Creek	siltation. Eschericia coli.	No	Yes
	Physical substrate habitat		
Unnamed Tributary	alterations. Loss of biological		
to Reedy Creek	integrity due to siltation.	No	Yes
	Alterations in stream-side		
	vegetative cover. Loss of		
Unnamed Tributary	biological integrity due to		
to Reedy Creek	siltation. Eschericia coli.	No	Yes
	Loss of biological integrity due to		
Clark Branch	siltation. Escherichia coli.	No	Yes
	Alterations in stream-side or		
	littoral vegetative cover.		
Gravelly Creek	Nitrate+Nitrite.	No	Yes
	Loss of biological integrity due to		
Miller Branch	siltation. Escherichia coli	No	Yes
	Alteration in stream-side		
	vegetative cover. Nitrate+Nitrite.		
	Low dissolved oxygen. Loss of		
	biological integrity due to		
Gammon Creek	siltation. Eschericia coli.	Yes	Yes
	Loss of biological integrity due to		
	siltation. Alterations in stream-		
	side vegetative cover. Eschericia		
Timbertree Branch	coli.	No	No
Booher Creek	Escherichia coli	No	No
	Alterations in stream-side		
	vegetative cover. Loss of		
	biological integrity due to		
Holston River	siltation. Eschericia coli.	Yes	No

	Low dissolved oxygen. Habitat		
South Fork Holston	loss due to stream flow alterations.		
River	Thermal modifications.	No	No
	Alteration in stream-side		
vegetative cover. Loss of			
	biological integrity due to		
Wagner Creek	siltation. Escherichia coli.	Yes	Yes
	Alterations in stream-side		
Kendrick Creek	vegetative cover	No	Yes
Rock Springs Branch	Alterations in stream-side cover	No	Yes

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Have you completed a map of all outfalls and receiving waters of your storm sewer ⊠ Yes □ No system? В. Have you completed a map of all storm drain pipes of storm sewer system? ⊠Yes □ No How many outfalls have you identified in your system? 908 D. How many of these outfalls have been screened for dry weather discharges? 903 E. How many of these have been screened more than once? 6 F. What is your frequency for screening outfalls for illicit discharges? Once per permit cycle Do you have an ordinance that effectively prohibits illicit discharges? G. \square No During this reporting period, how many illicit discharges/illegal connections have you discovered (or been H. reported to you)? 4 Page 2

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I. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated?

0.	A.	Have stormwater pollution prevention plans (or an equivalent plan) been developed for:		
		All parks, ball fields and other recreational facilities	⊠ Yes	□No
		All municipal turf grass/landscape management activities	⊠ Yes	□No
		All municipal vehicle fueling, operation and maintenance activities	⊠ Yes	□No
		All municipal maintenance yards	⊠ Yes	□No
		All municipal waste handling and disposal areas	⊠ Yes	□ No
-	B.	Are stormwater inspections conducted at these facilities?	⊠ Yes	□No
		1. If Yes, at what frequency are inspections conducted? Quarterly		
	C.	Have standard operating procedures or BMPs been developed for all MS4 field activities? (e.g., road repairs, catch basin cleaning, landscape management, etc.)	⊠ Yes	□No
	D.	Do you have a prioritization system for storm sewer system and permanent BMP inspections?	⊠ Yes	□No
	E.	On average, how frequently are catch basins and other inline treatment systems inspected	? <u>Twice</u>	per year
	F.	On average, how frequently are catch basins and other inline treatment systems cleaned or	ut/maintained?	2/year
	G.	Do municipal employees in all relevant positions and departments receive comprehensive training on stormwater management?	⊠ Yes	□No
	H.	If yes, do you also provide regular updates and refreshers?	⊠ Yes	□ No
		If so, how frequently and/or under what circumstances? <u>No less than annually</u>		
9	PEF A.	RMANENT STORMWATER CONTROLS Do you have an ordinance or other mechanism to require:		
		Site plan reviews of all new and re-development projects?	⊠ Yes	□ No
		Maintenance of stormwater management controls?	⊠ Yes	□ No
		Retrofitting of existing BMPs with green infrastructure BMPs?	☐ Yes	⊠ No
	В	What is the threshold for new/redevelopment stormwater plan review? (e.g., all projects, greater than one acre, etc.) All projects	projects disturb	ing
	C.	Have you implemented and enforced performance standards for permanent stormwater controls?	⊠ Yes	□No
	D.	Do these performance standards go beyond the requirements found in paragraph 4.2.5.2 a development hydrology be met for:	nd require that	pre-
		Flow volumes	⊠ Yes	□ No
		Peak discharge rates	⊠ Yes	□ No
		Discharge frequency	⊠ Yes	□ No
		Flow duration	⊠ Yes	□ No
	E.	Please provide the URL/reference where all permanent stormwater management standard	s can be found.	
		http://publicworks.kingsporttn.gov/files/publicworks/Stormwater-Management-Manual.publicworks.kingsporttn.gov/files/publicworks/Stormwater-Management-Manual.publicworks.kingsporttn.gov/files/publicworks/Stormwater-Management-Manual.publicworks.kingsporttn.gov/files/publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Manual.publicworks/Stormwater-Management-Ma	<u>df</u>	
	F.	How many development and redevelopment project plans were reviewed for this reporting	g period?	<u>18</u>
	G.	How many development and redevelopment project plans were approved? $\underline{17}$		
	H.	How many permanent stormwater management practices/facilities were inspected?	<u>140</u>	

	How many were found to have inadequate maintenance? 11					
	Of those, how many were notified and remedied within 30 days? (If window is different specify) Seven. The remainder are on compliance schedules or will be maintained by					s, please
K.	How many enforc	ement actions were tak	en that address inade	quate maintenance? 1	اد د د د د د د د د د د د د د د د د د د	** *** * * * * * * * * * * * * * * * *
		ctronic tool (e.g., GIS, 's, inspections and mair		t) to track post-	X Yes	
M.	Do all municipal of system?	departments and/or staf	f (as relevant) have a	ccess to this tracking	M Yes	
	Has the MS4 deversites?	eloped a program to allo	ow for incentive stance	dards for redeveloped	MYes	
О.	How many mainte	enance agreements has	the MS4 approved du	ring the reporting perio	d? 4	
A.	number of actions		e (e.g., construction, i	ou used during the reposition of the light discharge, perman lillicit Discharge		control) o
Notic	ce of violation	#27	# <u>5</u>	#	X Yes	No
Admi	inistrative fines	#3	#1	#	Market Yes	No
Stop	Work Orders	$\#_{}$	#	#	X Yes	
Civil	penalties	#3		#	X Yes	
Crim	inal actions	#	$H_{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline{\underline$	#	X Yes	No
Admi	inistrative orders	# <u>6</u>	#1	#	X Yes	No
Other		#	$m{+}$	#		
B		etronic tool (e.g., GIS, or and enforcement action		t) to track the locations	'Yes	N
	What are the 3 mo	st common types of violentation of SW	olations documented	during this reporting pe	riod? <u>Owner ins</u>	pections,
		nual expenditure to imp	plement the requireme	ents of your MS4 NPDI	ES permit and S	SWMP this
	\$1,900,000			of your MS4 NPDES p	permit and SWN	1P?
		dependent financing m			Market Yes	
	If so, what is it/are Source: Utility fee		tees), and what is the	e annual revenue derive Amount	d from this med \$1,900,000	hanism?
		stormwater program vs		Amount to the stormwater proges with other primary re	ram (specifical	
	Do you share progr	ram implementation re	sponsibilities with an	y other entities?	T Yes	N(
F. Entity		Activity/Task/R		Your Oversight/Accou	Same Same Contractor of the Co	10 40 0

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12. EVALUATING/MEASURING PROGRESS

What indicators do you use to evaluate the overall effectiveness of your Stormwater Management Program, how long have you been tracking them, and at what frequency? Not that these are not measurable goals for individual BMPs or tasks, but large-scale or long-term metrics for the overall program, such as in-stream macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc?

Indicator	Began Tracking (year)	Frequency	Number of Locations
Example: E. coli	2003	Weekly April-September	20
E. coli	2011	Permit requirement	5
Macroinvertebrates/VSA	2011	Permit requirement	11

B. Provide a summary of data (e.g., water quality information, performance data, modeling) collected in order to evaluate the performance of permanent stormwater controls installed throughout the system. This evaluation may include a comparison of current and past permanent stormwater control practices. Available upon request.

13. STORMWATER MANAGEMENT PROGRAM UPDATE

A. Describe any changes to the MS4 program during the reporting period including but not limited to:

Changes adding (but not subtracting permit.	ng or replacing) components, controls of	r other requirements per paragraph 4.4.2.a of th
	or unfeasible BMP per paragraph 4.4.2.	b of the permit
urbanized areas. <u>Annexation has</u> Changes to the program as require	d by the division. <u>Develop and impleme</u>	pansion based on annexation or newly and BMPs has already been accounted for. Ent a Public Information and Education Plan, develop a Stormwater Management Plan
This report must be signed by See signatory requirements in s	· ·	ly authorized representative of that person
supervision in accordance with a information submitted. Based on directly responsible for gathering belief, true, accurate, and comple	system designed to assure that qualified my inquiry of the person or persons the information, the information sub-	ents were prepared under my direction or d personnel properly gather and evaluate the who manage the system, or those persons mitted is, to the best of my knowledge and t penalties for submitting false information, "
Printed Name and Title	Signature	 Date

Annual reports must be submitted in accordance with the requirements of subpart 5.4. (Reporting) of the permit. Annual reports must be submitted to the appropriate Environmental Field Office (EFO) by September 30 of each calendar year, as shown in the table below:

EFO	Street Address	City	Zip Code	Telephone
Chattanooga	540 McCallie Avenue STE 550	Chattanooga	37402	(423) 634-5745
Columbia	1421 Hampshire Pike	Columbia	38401	(931) 380-3371
Cookeville	1221 South Willow Ave.	Cookeville	38506	(931) 432-4015
Jackson	1625 Hollywood Drive	Jackson	38305	(731) 512-1300
Johnson City	2305 Silverdale Road	Johnson City	37601	(423) 854-5400
Knoxville	3711 Middlebrook Pike	Knoxville	37921	(865) 594-6035
Memphis	8383 Wolf Lake Drive	Bartlett	38133	(901) 371-3000
Nashville	711 R S Gass Boulevard	Nashville	37216	(615) 687-7000